Performance Data Sheet

VSC9538ZXG

General Information

Model	VSC9538ZXG	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	51000	47500	44000	40300	36500	32400	28000
	Watts	3170	3580	4040	4550	5130	5770	6470
	Amps	4.97	5.61	6.33	7.14	8.05	9.05	10.2
	Lb/h	807	798	789	778	765	749	732
25	Btu/h	56300	52400	48500	44500	40300	35800	31000
	Watts	3180	3590	4050	4570	5140	5780	6490
	Amps	4.99	5.63	6.35	7.16	8.07	9.07	10.2
	Lb/h	894	885	875	864	851	836	819
30	Btu/h	62000	57700	53400	48900	44300	39400	34300
	Watts	3190	3590	4050	4570	5150	5790	6500
	Amps	5.00	5.64	6.36	7.17	8.08	9.09	10.2
	Lb/h	991	981	970	958	946	931	915
35	Btu/h	68100	63300	58600	53700	48600	43300	37700
	Watts	3180	3590	4050	4570	5150	5790	6500
	Amps	4.99	5.63	6.35	7.17	8.08	9.09	10.2
	Lb/h	1100	1090	1070	1060	1050	1040	1020
40	Btu/h	74600	69400	64100	58800	53200	47500	41500
	Watts	3160	3570	4030	4550	5130	5780	6490
	Amps	4.96	5.60	6.33	7.14	8.06	9.07	10.2
	Lb/h	1210	1200	1190	1180	1160	1150	1140
45	Btu/h	81700	75900	70100	64300	58200	52000	45500
	Watts	3130	3540	4000	4520	5110	5750	6470
	Amps	4.90	5.55	6.28	7.09	8.01	9.03	10.2
	Lb/h	1340	1320	1310	1300	1290	1270	1260
50	Btu/h	89200	82900	76600	70100	63600	56800	49800
	Watts	3070	3480	3950	4470	5060	5710	6430
	Amps	4.82	5.46	6.19	7.02	7.94	8.96	10.1
	Lb/h	1480	1460	1450	1440	1420	1410	1400

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.455582E+04	1.248583E+03	1.958885E+00	5.156312E+02
C2	1.194200E+03	5.944083E+00	9.325592E-03	1.583240E+01

C3	-3.723208E+02	1.168774E+01	1.833674E-02	1.466019E-01
C4	1.111485E+01	1.115201E-01	1.749624E-04	8.679517E-02
C5	-6.143907E+00	-8.445175E-02	-1.324952E-04	-7.358341E-02
C6	2.133456E+00	9.805804E-02	1.538419E-04	4.092068E-03
C7	2.846829E-02	-3.953413E-03	-6.202457E-06	1.059401E-03
C8	-6.481525E-02	4.996090E-04	7.838299E-07	7.555183E-06
C9	6.979325E-03	3.671442E-04	5.760076E-07	3.265723E-04
C10	-9.730064E-03	5.823493E-04	9.136400E-07	-6.084685E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature